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	Application No.	Applicant(s)	
Nation of Allowshills	10/658,008	ZHANG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Ernest G. Therkorn	1723	-
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not include n will be mailed in due o	d course. THIS
1. 🛮 This communication is responsive to <u>September 9, 2003; L</u>	December 29, 2003; and April 30, 20	<u> 204</u> .	
2. ☑ The allowed claim(s) is/are <u>17-26 and 39-47</u> .			
3.~igotimes The drawings filed on $ hinspace 09~September~2003$ are accepted by	the Examiner.		
4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date (b) Including indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in total comments. DEPOSIT OF and/or INFORMATION about the deponattached Examiner's comment regarding REQUIREMENT	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application. iitted. Note the attached EXAMINER es reason(s) why the oath or declara ist be submitted. son's Patent Drawing Review (PTO s Amendment / Comment or in the C .84(c)) should be written on the drawin he header according to 37 CFR 1.121(sit of BIOLOGICAL MATERIAL I	national stage application of the load. The formula is a stage application of the load. The formula is a stage application of the load. The formula is a stage application of the load. The formula is a stage application of the load. The formula is a stage application of the load.	uirements OTICE OF back) of
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal F 6. ☑ Interview Summary Paper No./Mail Da 7. ☑ Examiner's Amenda 8. ☐ Examiner's Statema 9. ☐ Other	r (PTO-413), te : ment/Comment	,
		Ernest G. Therkorn Primary Examiner Art Unit: 1723	nJ

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) Application/Control Number: 10/658,008

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The petition under 37 CFR 1.48 c of December 29, 2003 has been approved.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In the specification, page 14, after line 18, the following has been inserted:

- - The following two paragraphs are from column 8, lines 17-55 of U.S. Patent No. 6,627,882, formally incorporated by reference U.S. Patent Application 09/748,518:

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The present invention relates to an electrospray device for spraying a fluid which includes an insulating substrate having an injection surface and an ejection surface opposing the injection surface. The substrate is an integral monolith having either a single spray unit or a plurality of spray units for generating multiple sprays from a single fluid stream. Each spray unit includes an entrance orifice on the injection surface; an exit orifice on the ejection surface; a channel extending between the entrance orifice and the exit orifice; and a recess surrounding the exit orifice and positioned between the injection surface and the ejection surface. The entrance orifices for each of the plurality of spray units are in fluid communication with one another and each spray unit generates an electrospray plume of the fluid. The electrospray device also includes an electric field generating source positioned to define an electric field surrounding the exit orifice. In one embodiment, the electric field generating source includes a first electrode attached to the substrate to impart a first potential to the substrate and a second electrode to impart a second potential. The first and the second electrodes are positioned to define an electric field surrounding the exit orifice. This device can be operated to generate multiple electrospray plumes of fluid from each spray unit, to generate a single combined electrospray plume of fluid from a plurality of spray units, and to generate multiple electrospray plumes of fluid from a plurality of spray units. The device can also be used in conjunction with a system for processing an electrospray of fluid, a method of generating an electrospray of fluid, a method of mass spectrometric analysis, and a method of liquid chromatographic analysis.

Another aspect of the present invention is directed to an electrospray system for generating multiple sprays from a single fluid stream. The system includes an array of a plurality of the above electrospray devices. The electrospray devices can be provided in the array at a device density exceeding about 5 devices/cm², about 16 devices/cm², about 30 devices/cm², or about 81 devices/cm². The electrospray devices can also be provided in the array at a device density of from about 30 devices/cm² to about 100 devices/cm².

Authorization for this examiner's amendment was given in a telephone interview with Joseph M. Noto on June 17, 2004.

In the preliminary amendment of September 9, 2003, after "2002", --, now abandoned -- has been inserted.

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Any inquiry concerning this communication should be directed to E. Therkorn at telephone number (571) 272-1149. The official fax number is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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EGT June 17, 2003